

101L3 environmental protection air conditioning variable frequency speed control controller operating instructions

1、 Functional specifications










- 1.1 Speed range : 0HZ~50HZ,0~60HZ
(The order 0~60HZ should be noted)
- 1.2 Specification Type : 1.5KW-220V ,2.2KW-220V
1.5KW-380V,2.2KW-380V,3KW-380V
- 1.3 Achieve the cooling air supply, inversion of convulsions
- 1.4 Control the position of the leaf different directions of wind
- 1.5 Control the drainage of motor, to achieve the cleaning effect
- 1.6 The temperature and humidity sensor can achieve PID, according to the set value, control the air flow and pump automatic, Cooperating with the touch screen panel
- 1.7 The Internal Infrared remote control achieve Remote control Within 20 meters



2、 Operation instructions

1. The outlet is on the left and right sides of the controller, Fix the mounting hole at the bottom of the controller, Can be installed vertically through the bottom three mounting holes.
2. According to the wiring drawing, correctly connect the incoming power supply to the "L、 N" terminals. The motor output wire is connected to the "U、 V、 W" terminal
3. Key keyboard operation instructions:
 - After wiring, power on, hear the buzzer "didi" sound, press **ON/OFF** key.
 - According to the **COOL** key, Main motor and pump motor run simultaneously
 - According to the **AIR SUPPLY** key, Main motor operates separately
 - According to the **CLEAN** key, Drain motor operation. According to the **EXHAUST** key, Main motor operates in reverse.
 - According to the **▲ ▼** key, Adjust the wind speed, The default frequency is 50HZ.
 - AUTOMATIC TIMING CLOCK SET** To reserve function keys, Cannot be set for the time being

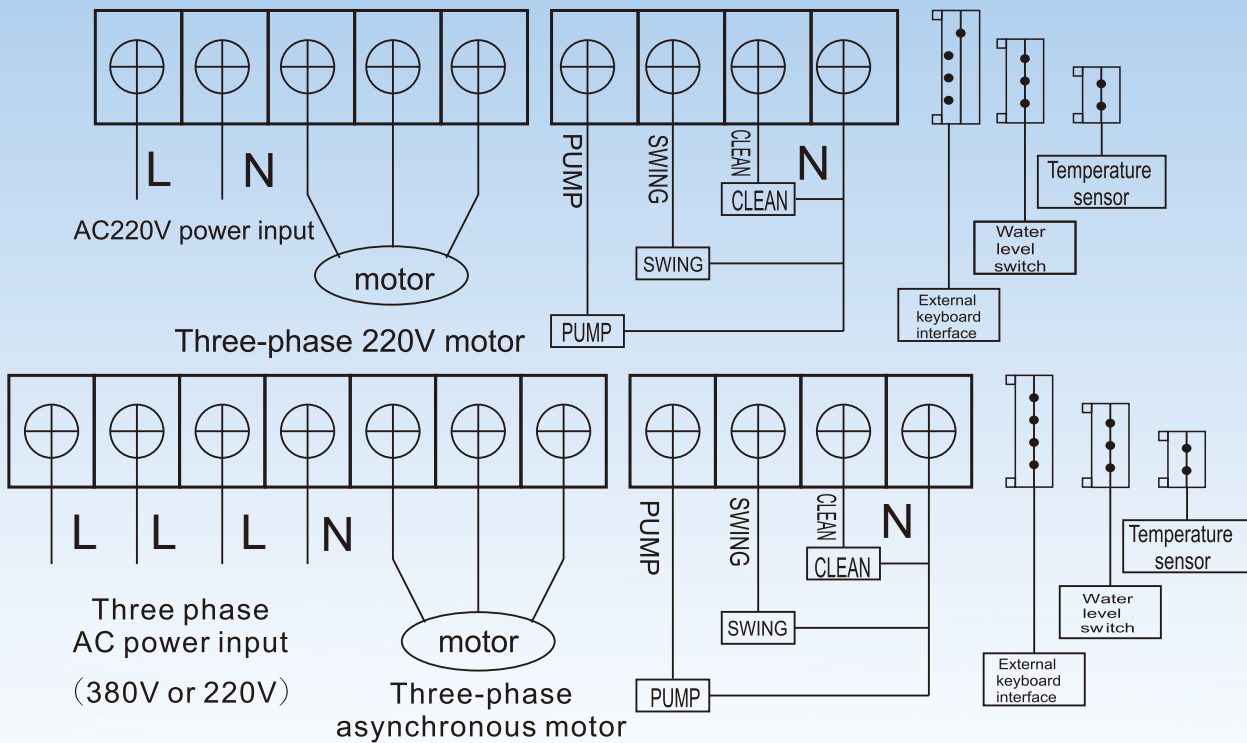
4. Instructions for touch screen keyboard:

- After wiring, power on, hear the buzzer "didi" sound, When the screen turns blue press the on button 
1. Press the refrigeration  , Main motor and pump motor run simultaneously.
 2. According to the air supply key  , Main motor operates separately, At this time press the refrigeration key  , the pump can work at the same time
 3. Press cleaning  , Drain motor operation
 4. Press convulsions  , Main motor operates in reverse
 5. Press set the wind  , swing vane motor operation
 6. Press the add key  , Reduce the key  , Adjust the wind speed the default frequency is 12 speed corresponding to 50HZ.
 7. Press the setting key, PID control of temperature and humidity, automatic adjustment.

3、 Protection function and alarm code

1. Low voltage fault: 01
2. Communication failure: 02
3. Overcurrent/output short circuit fault: 03/04
4. Overvoltage fault: 05/06
5. Overheating fault: 07/08
6. Overload fault: 09

4、Wiring diagram



Note: The wiring of three-phase 220V is the same as that of 380V, but the output motor must correspond to each other. The three-phase 220V input is connected to the three-phase 220 V motor;

5、Selection and use of external accessories

Environmental protection air conditioning controller external accessories are: keyboard (keys, touch screen), keyboard extension cord, infrared remote control, water level monitoring switch, temperature sensor line, humidity sensor.

1.1. The keyboard is divided into keypad keyboard and touch screen keyboard Please refer to the above instructions for each function introduction. (optional keyboard).

1.2. Keyboard extension cord is a four-core interface, length 6M. (standard).

1.3. Aim at the infrared receiver of the keyboard when using the infrared remote control. (standard) .

1.4. The water level monitoring switch is controlled by the float ball and installed on the water level bracket When the water level is high, the float ball floats up and touches the internal magnetic induction switch .under the action of buoyancy. When the water level is low, the float ball will sink under the action of gravity and come into contact with the internal magnetic inductio switch. At this time, the signal .detection is closed, the water level alarm is given, and the refrigeration function cannot be realized. (optional)

1.5. The temperature sensor line is installed in the air outlet of the air cooler to detect the internal temperature of the air cooler. (optional) .

1.6. The temperature and humidity sensor must be used together with the touch keyboard to monitor indoor temperature and humidity and realize automatic adjustment of temperature and humidity. (optional)

